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All Dimensions to be checked on site any discrepancies must be reported to Uxbridge Design Detailing Services Ltd. prior to undertaking of any relevant works.
Written dimensions to be follow in preference to scaled dimensions and all figured dimensions are millimetres unless otherwise stated.

FLOOR RESTRAINTS

Where floor joists run parallel to perimeter walls 30x5mm galvanized steel wall straps at 2m max centres to be securely fixed across 3 No. joists with 150x50mm C16 noggins between joists and packing next to wall.
Straps fixed to wall with min 2 No M6 chemical anchor into solid bricks (not mortar joints) by Rawlplug or similar in strict accordance with manufacturers specification. Where joist span parallel to walls full depth noggins to be fitted tightly between joists and secured with spiking and straps fitted to both noggins and joists. On row of noggins also to be provided at mid-span of any spans greater than 2.5m and two rows to be provided at third points or spans over 4.5m

STEELS

All hot rolled steel to be in accordance wit BS EN 10 025 and to be grade S275 or S355 (for hollow sections). Steelwork to be blast cleaned to SA $2\frac{1}{2}$ standard and coated with EPA compliant phosphate primer to a dry film thickness of 75 microns. External and cavity steelwork to be hot dipped galvanised in accordance with BS EN ISO 1461: 1999.

Welded steel connections should be in accordance with BS 5135 with min fillet welds of 6mm and full penetration butt weld. bolted connections to have min. 2 No. M16 grade 8.8 bolts. Connection loading to be taken as 100kN. Steelwork contractor is responsible for design of all connections.

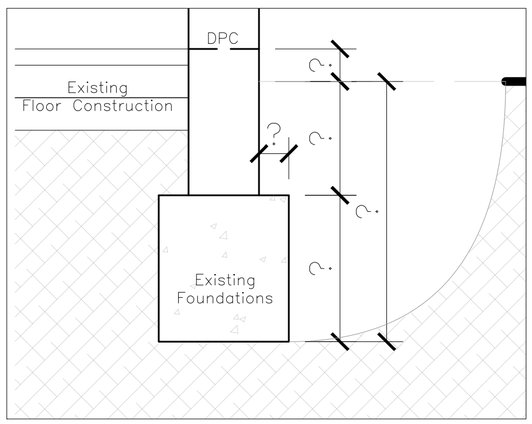
Steelwork should have min. bearing of 100 parallel or 150mm perpendicular to padstones/ bearing plates.

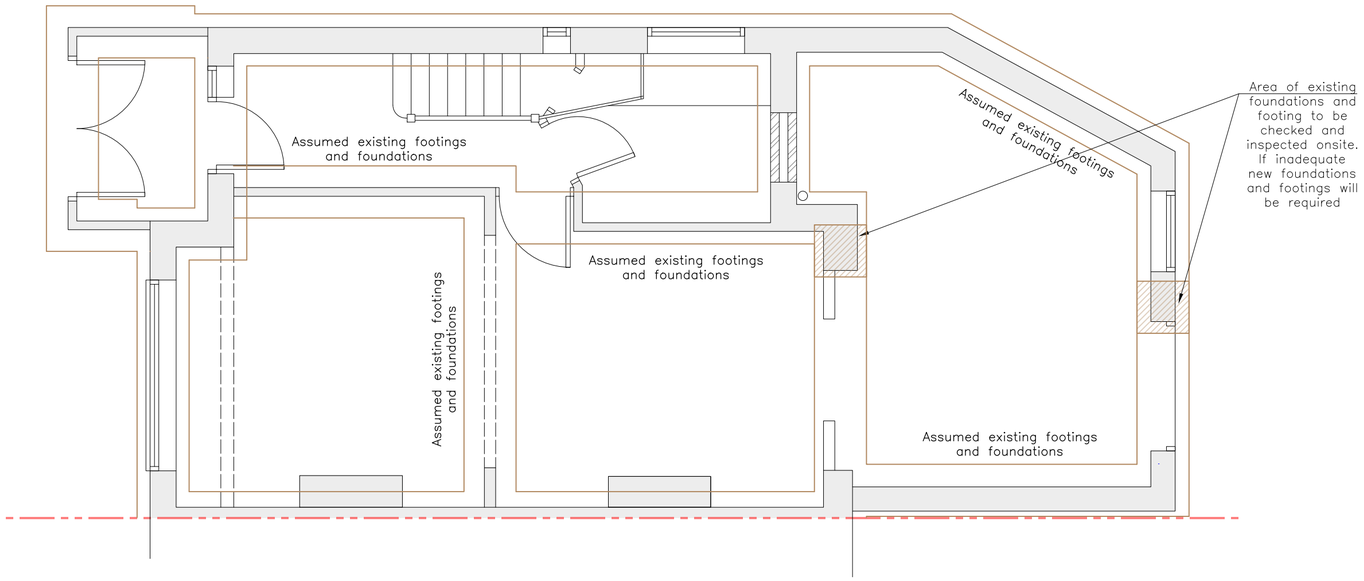
All steels supporting are to be protected by 2 no. layers of 12.5mm plasterboard, or 1 no. layer of 15mm gypsum glasroc firecase, or intumescent paint to give min. ½ hour fire resistance. All floor steels to be positioned within depth of floor. Insulate steels where necessary to prevent cold bridging.

Any timbers notched into steels to project min. 3mm above and below line of steel to allow for timber shrinkage.

EXISTING FOUNDATION TRIAL PIT INSPECTION

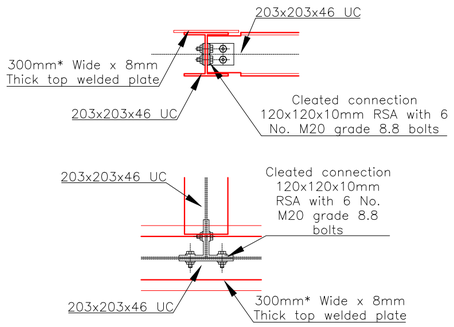
- DO consult with a structural engineer on where you need to dig your trial pit
- We recommend that you DON'T attempt to dig the trial pit yourself if you don't have any experience excavating. If you have deep foundations you need to make sure the excavation is safe and that you have a enough space when you batter the slope to keep the site safe
- DO engage a ground worker or your intended building contractor to dig it for you. It is a great way to find out how they work and if they would be suitable to deliver your entire project
- DO excavate to the bottom of the existing foundations
- DO NOT excavate beyond the existing foundation
- DO have the soil from the excavation piled nearby so that your structural engineer can inspect it.
- DO record the level of any water in your trial pit. As soon as you strike any water you need to take a measurement of that level.
- DO have your trial pit dug immediately before your structural engineer's visit, or if a visit is not possible provide photograph evidence.
- DO establish the location of any buried services, drain pipes or known underground obstructions prior to excavating..
- DO keep your trial pit covered to prevent anyone falling in it.
- DO refill the hole immediately after all information is collected and ensure the infilled soild is sufficently compacted.





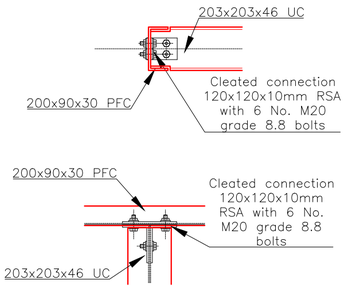
Foundation Structural Plan

Scale – 1:50



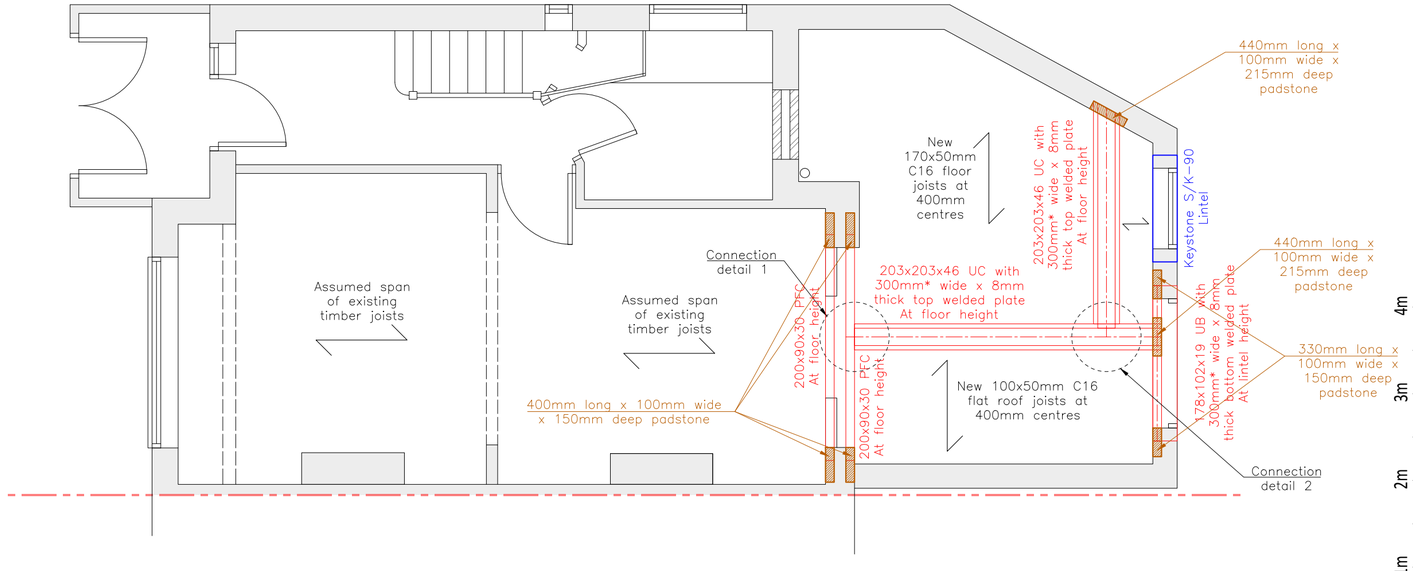
Connection Detail 1

Scale – 1:20



Connection Detail 2

Scale – 1:20



Ground Floor Structural Plan

Scale – 1:50

REV	DATE	DRAWN BY	DESCRIPTION

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SCALE 1:50 (0m, 1m, 2m, 3m, 4m)

CLIENT: Mr J. Forde

PROJECT: 9 Lannock Road, Hayes, Middlesex, UB3 2NG

TITLE: Foundation and Ground Floor Structural Plans and Details

DATE	SCALE	DRN	DRG NO	REV	SIZE
Dec 2024	1:20 & 1:50	KH	24_86_01		A2